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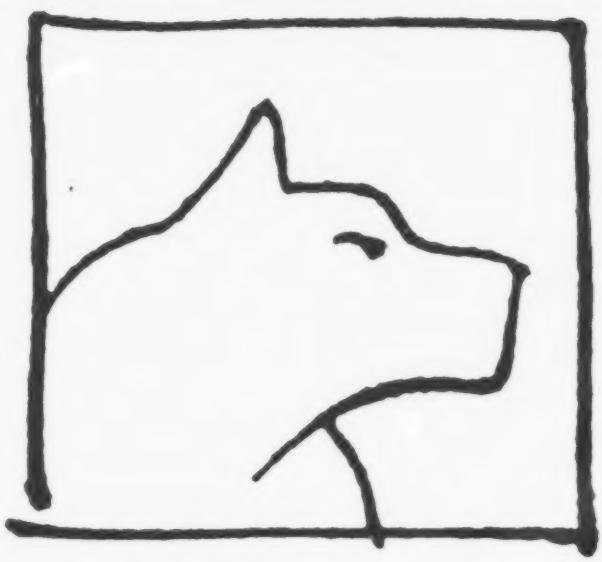

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0001
Anaerobic digestion of beef cattle manure with a pilot-scale upflow hybrid reactor.
Chiumenti, R. ; De Poli, F.-Donantoni, L.-Guercini, S. St. Joseph, Mich.? : The Society, c1987. Latest developments in livestock housing : Seminar of the 2nd Technical Section of the C.I.G.R. / Univ of Illinois, Urbana-Champaign, Illinois, USA, June 22-26, 1987 ; hosted by American Society of Agricultural Engineers. p. 45-51. ill. Includes references. (NAL Call No.: DNAL SF91.I568 1987).

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Application and limits of current beef cattle feeding technology (Review, space and equipment).
Bodman, G.R. ; Nienaber, J.A. St. Joseph, Mich. : The Society. Paper - American Society of Agricultural Engineers (Microfiche collection). 1981. Paper presented at the 1981 Summer Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road, St. Joseph, Michigan 49085. Telephone the Order Dept. at (616) 429-0300 for information and prices. 1981. (fiche no. 81-4060). 1 microfiche : ill. Includes references. (NAL Call No.: FICHE S-72).

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Beef calves from your own cow herd: will it pay to feed them out? -- four systems compared.
Carson, E. ; Harrah, J.H. Lafayette, Ind., The Service. Extension circular - Purdue University, Cooperative Extension Service. Apr 1982. Predominantly tables. Apr 1982. (EC-550). 27 p. (NAL Call No.: 275.29 IN2E).
Extract: Feeding out beef calves on the farm on which they are raised is compared to selling them to someone else to feed out. Three cow herd sizes and four alternative feedlot systems are considered. In all cases feeding beef calves out in already existing facilities was the highest return alternative. If new feedlot facilities were required, then feeding the calves out "at home" was only economic for herd sizes of 300 cows using a self feeder feedlot. Alternative price margins were also considered. Appendices contain substantial budget detail.

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Beef-cattle barns /E.W. Sheets and M.A.R. Kelley.
Sheets, E. W. 1886-. ; Kelley, M. A. R.; 1888-1943. Washington, D.C. : U.S. Dept. of Agriculture, 1923. 17 p. : ill. ; 23 cm. Includes bibliographical references. (NAL Call No.: DNAL 1 Ag84F no.1350)

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Beef cattle: confinement husbandry (Canada, USA).
Bradley, J.A. Ottawa : Canada Dept. of Agriculture. Canada agriculture. 1983. French text p. 9, 11. v. 29 (2). p. 8, 10. ill. (NAL Call No.: 7 R31).

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Washington, D.C. : U.S. Dept. of Agriculture, 1966. "Issued December 1966."- "Cooperative farm building plan exchange, plan nos. 5991, 5974, 5952.". 1 sheet (2 p.) : ill., plans ; 28 cm. (NAL Call No.: DNAL 1 Ag84M no.1044).

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Burris, R. ; Absher, C.-McNeill, S.-Turner, L. Lexington : The Service. ID - University of Kentucky, Cooperative Extension Service, Apr 1986. (13,rev.). 7 p. ill. (NAL Call No.: DNAL S544.3.K4K42).

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Beef cattle feeding systems comparisons.
Padbury, T. ; Holt, W. St. Joseph, Mich. : The Society. Paper - American Society of Agricultural Engineers (Microfiche collection). 1982. Paper presented at the 1982 Summer Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road, St. Joseph, Michigan 49085. Telephone the Order Dept. at (616) 429-0300 for information and prices. 1982. (fiche no. 82-4002). 1 microfiche : ill. Includes references. (NAL Call No.: FICHE S-72).

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Beef cattle handling facilities.
Regina, Canada : Saskatchewan Agriculture, Family Farm Improvement Branch, 1985? . Cover title. 9 p. : ill. ; 28 cm. (NAL Call No.: DNAL SF207.B39).

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Beef cattle housing / A. J. Kavanagh and V. A. Dodd. -.
Kavanagh, A. J. (Dublin An Foras Taluntais) 1976. 20 p. : ill., plans ; 30 cm. --. (NAL Call No.: S219.F6 No.10).

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Beef cattle housing and waste management systems (Dry lot, confinement system, open lot).
Weeden, J.K. (Guelph, Ontario?) : Ontario Soil & Crop Improv. Assn., Ontario Min. Agric. & Food, (1982?). Manure management handbook : a state of the art report. p. E-1 - E-22. ill. (NAL Call No.: S655.M32).

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Beef cattle housing in the North Central Region of the United States / by the Committee on Housing of Beef Cattle and Sheep ; manuscript prepared by Ralph L. Patty and Deane G. Carter .
Patty, Ralph L., 1884-. ; Carter, Deane G.,; 1894-. Brookings, S.D. : Agricultural Experiment Station, South Dakota State College, 1946. Cover title. 19 p. : ill. ; 23 cm. (NAL Call No.: DNAL 100 So82 (1) no.382).

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Beef cattle housing requirementsa report by the Animal Husbandry Committee of the Rutgers Farm Buildings Institute.
New Brunswick, N.J. : New Jersey Agricultural Experiment Station, 1949. 22 p. : ill., port., plans ; 23 cm. (NAL Call No.: DNAL 100 N46S (1) no.746).

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Beef cattle performance on slotted floors: manger space allotment.
Morrison, S.R. ; Zinn, R.A. St. Joseph, Mich. : The Society. American Society of Agricultural Engineers (Microfiche collection). Paper presented at the 1985 Winter Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road, St. Joseph, Michigan 49085. Telephone the Order Dept. at (616) 429-0300 for information and prices. 1985. (fiche no. 85-4522). 6 p. ill. (NAL Call No.: DNAL FICHE S-72).

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Beef cattle production in the Central and Upper Burnett.
QAGJA. Milles, A.H. Brisbane : Department of Primary Industries. Queensland agricultural journal. Mar/Apr 1984. v. 110 (2). p. 83-111. ill. (NAL Call No.: DNAL 23 Q33).

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Washington, D.C., The Department. Miscellaneous publication - United States Dept. of Agriculture. 1981. 1981. (1413). 2 p. ill. (NAL Call No.: 1 AG84M).

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Ames, Iowa : Midwest Plan Service, 1987, c1986. Cover title.~ "MWPS-6."~ Includes index. 1 v. (various pagings) : ill. ; 28 cm. Bibliography: p. 13.1. (NAL Call No.: DNAL SF206.B4 1987).

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Beef in confinement workshop : April 4, 1974, Des Moines, Iowa / NFIA. -.
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Kiley-Worthington, M. Washington : Institute for the Study of Animal Problems. International journal for the study of animal problems. July/Sept 1983. v. 4 (3). p. 198-213. ill. Includes references. (NAL Call No.: HV4701.I49).

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Building options for housing beef cattle.
Harper, A.D. ; Johnstone, K. Aberdeen : Scottish Farm Buildings Investigation Unit. Farm building progress. Oct 1983. Oct 1983. (74). p. 17-28. ill. Includes references. (NAL Call No.: TH4911.F37).

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Bull beef systems and housing.
Read, D. Cheshire : The Association. British Cattle Veterinary Association proceedings. 1983/1984. p. 209-212. (NAL Call No.: DNAL SF961.B71).

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Brevik, T. J. ; Larsen, H. J.~Bringe, R. H.~Krueger, G. L. Document available from: University of Wisconsin, Agricultural Bulletin Building, 1535 Observatory Drive, Madison, Wisconsin 53706 1977. 8 p. : ill. (NAL Call No.: Document available from source.).(NAL Call No.: A2823).
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The changing structure of the Louisiana beef cattle industry.
Schupp, A.R. ; Huffman, D.C. Baton Rouge, Dept. of Agricultural Economics and Agribusiness, Louisiana State University, Louisiana rural economist. May 1981. v. 43 (2). p. 11-13. map. 1 ref. (NAL Call No.: 281.8 L93).

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Sweeten, J.M. ; Egg, R.P.~Reddell, D.L.~Varani, F.~Wilcox, S. St. Joseph, Mich. : American Society of Agricultural Engineers, c1985. Agricultural waste utilization and management : proceedings of the Fifth International Symposium on Agricultural Wastes, December 16-17, 1985, Hyatt Regency Chicago, Illinois Center, Chicago, Illinois. p. 329-337. Includes 14 references. (NAL Call No.: DNAL TD930.I57 1985).

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Characteristics of the formation of meat production in male Black Spotted calves as a function of housing conditions.
Poluektov, S.V. ; Levantin, D.L. New York, Allerton Press. Soviet agricultural sciences. 1979. 1979. (9). p. 38-40. (NAL Call No.: S1.S68).

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Cold weather care of calves.
Brookings, S.D. : The Service. South Dakota D.H.I.A. news - South Dakota State University, Cooperative Extension Service. Dec 1987. p. 3. (NAL Call No.: DNAL 275.29 S085C).

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A comparison of conventional and innovative systems for beef cow/calf production (Pasture grazed continuously with hay for winter feed, rotational grazing).
Burton, R.O. Jr. ; Bryan, W.B.~Prigge, E.C. Lexington, Ky. : American Forage and Grassland Council. Proceedings of the Forage and Grassland Conference. 1984. Paper presented at the 1984 Forage and Grassland Conference on Forage Systems: Leading U.S. Agriculture into the Future, January 23-26, 1984,

Houston, Texas. 1984. p. 144-148. (NAL Call No.: 60.19 J66).

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A comparison of five housing systems for feedlot cattle (Housing).
Smith, R.E. ; Hanke, H.E.-Lindor, L.K.-Goodrich, R.D.-Meiske, J.C.-Thonney, M.-Crawford, D.-Hasbargen, P.R.-Bates, D.W.-Ryan, D.M. St. Joseph, Mich. : The Society. Paper - American Society of Agricultural Engineers (Microfiche collection). 1981. Paper presented at the 1981 Summer Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road, St. Joseph, Michigan 49085. Telephone the Order Dept. at (616) 429-0300 for information and prices. 1981. (fiche no. 81-4057). 1 microfiche : ill. Includes references. (NAL Call No.: FICHE S-72).

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A comparison of the early behaviour of intensively and extensively reared calves.
ANIPA. Kerr, S.G.C. ; Wood-Gush, D.G.M. Neston, South Wirral, England : British Society of Animal Production. Animal production. Oct 1987. v. 45 (pt.2). p. 181-190. Includes references. (NAL Call No.: DNAL 49 AN55).

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Concentration and specialization in cattle raising: policy role concerning livestock buildings (Dairy cattle, France). Concentration et specialisation de l'elevage bovin: le role de la politique concernant les batiments d'elevage. French.
Cranney, J. ; Rio, P. Beaumont (France) : Centre de recherches zootechniques et veterinaires de Theix, 1981. La production laitiere francaise : evolution recente et perspectives / ouvrage collectif coordonne par R. Jarrige et J.C. Tirel. p. 93-104. (NAL Call No.: SF233.F8P76).

0031
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Sweeten, John M. 1973. Document available from: Dept. of Ag. Communications, U. of Nebraska, Lincoln, NE 61801. 4 p. : ill. (NAL Call No.: Not available at NAL.).(NAL Call No.: G 73-53).
This publication discusses considering wind direction, velocity, and rainfall when building a feedlot to minimize odor. Also, it has charts of wind and rain, and a table of their relationship.

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Washington, D.C. : U.S. Dept. of Agriculture, 1962. "Issued February 1962."~ "Cooperative farm building plan exchange, plan no. 5920.". 1 sheet (2 p.) : ill. ; 28 cm. (NAL Call No.: DNAL 1 Ag84M no.895).

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Huhnke, R.L. ; Harp, S. Stillwater : The Service. OSU extension facts - Cooperative Extension Service, Oklahoma State University, June 1983. June 1983. (1219). 6 p. ill. (NAL Call No.: S544.3.0505).

0034
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Nunes, Saladino Goncalves. Campo Grande, Mato Grosso do Sul (Brazil) EMBRAPA, Centro Nacional de Pesquisa de Gado de Corte 1983. 36 p. : ill. ; 22 cm. ~. (NAL Call No.: SF196.B7C5 no.10).

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Corral with curved chute for beef cattle / Agricultural Engineering Research Division, Agricultural Research Service .
Washington, D.C. : U.S. Dept. of Agriculture, 1969. "Issued May 1969."~ "Cooperative farm building plan exchange, plan no. 6049.". 1 sheet (2 p.) : ill., plans ; 27 cm. (NAL Call No.: DNAL 1 Ag84M no.1136).

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Creep grazing for beef calves.
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Design and contruction effects on cattle waterer energy use.
Anderson, V.L. ; Johnson, D. St. Joseph, Mich. : The Society. American Society of Agricultural Engineers (Microfiche collection). Paper presented at the 1987 Summer Meeting of the American Society of Agricultural Engineers. Available for purchase from: The American Society of Agricultural Engineers, Order Dept., 2950 Niles Road, St. Joseph, Michigan 49085. Telephone the Order Dept. at (616) 429-0300 for information and prices. 1987. (fiche no. 87-4081). 17 p. ill. Includes references. (NAL Call No.: DNAL FICHE S-72).

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The design of a full-scale experimental fermentation facility (for feedlot cattle wastes).
Davenport, A.K. St. Joseph, Mich., The Society. Paper - American Society of Agricultural Engineers.American Society of Agricultural Engineers. 1978. 1978. (78-4567). 9 p. ill. (NAL Call No.: 290.9 AM32P).

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The design of feeding barriers and managers and its effect on incidence of injuries and feed wastage.
BOVPB. Cermak, J. Stillwater, Okla. : American Association of Bovine Practitioners. The Bovine practitioner. Nov 1988. (23). p. 74-75. Includes

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The development of a design of a slatted floor shed for beef and dairy cattle--manure storage aspects.
Dodd, V.A. ; Doyle, H.J. Luxembourg. Commission of the European Communities, 1979. Engineering problems with effluents from livestock, edited by J. C. Hawkins; sponsored by the Directorate General for Agriculture, Coordination of Agricultural Research. p. 43-59. ill. 4 ref. (NAL Call No.: TD930.E5).

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Dominance and eating behavior of beef cattle fed from a single stall.
Stricklin, W.R. ; Gonyou, H.W. Amsterdam, Elsevier. Applied animal ethology. Apr 1981. v. 7 (2). p. 135-140. 20 ref. (NAL Call No.: QL750.A6).

0042
Eating behavior of beef cattle groups fed from a single stall or trough.
Gonyou, H.W. ; Stricklin, W.R. Amsterdam, Elsevier. Applied animal ethology. Apr 1981. v. 7 (2). p. 123-133. ill. 24 ref. (NAL Call No.: QL750.A6).

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The economics of fed beef production in Colorado.
CASTA. Madsen, A.G. ; Gee, C.K. Fort Collins : The Station. Technical bulletin - Colorado State University Experiment Station. Includes statistical data. Jan 1986. (86-2). 32 p. (NAL Call No.: DNAL 100 C71S (3)).

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Iketaki, T. ; Ohtani, M.~Ota, S. Tokyo, Japan : Japanese Society of Zootechnical Science, 1983. New strategies for improving animal production for human welfare : proceedings / the Fifth World Conference on Animal Production, August 14-19, 1983. v. 2 p. 811-812. Includes references. (NAL Call No.: DNAL SF5.W6 1983).

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Effect of floor space allotment and animal group size on beef cattle performance.
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Effects of feedlot environment, implants and vitamin A on the performance of crossbred steers fed during the summer.
Baker, F.S. Jr. ; Kunkle, W.E.~Palmer, A.Z.~Wakeman, D.L. Gainesville, Fla. : The Service. Florida beef cattle research report - Florida Cooperative Extension Service, University of Florida. Includes statistical data. 1988. p. 129-137. (NAL Call No.: DNAL SF191.F5).

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Effects of rations on beef cattle manure handling characteristics on solid and slatted floors.
Moore, J.A. ; Hegg, R.O. St. Joseph, Mich., The Society. Transactions of the ASAE - American Society of Agricultural Engineers. Mar/Apr 1980. v. 23 (2). p. 423-426. ill. 7 ref. (NAL Call No.: 290.9 AM32T).

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Effects of slatted flooring on claw shape in intensively housed fattening beef cattle.
BOVPB. Murphy, P.A. ; Hannan, J. Stillwater, Okla. : American Association of Bovine Practitioners. The Bovine practitioner. Nov 1987. (22). p. 133-135. ill. Includes references. (NAL Call No.: DNAL SF779.5.A1B6).

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Effects of stocking rates on range vegetation and beef cattle production in the northern Great Plains / by Walter R. Houston and R.R. Woodward .
Houston, Walter R., 1920-. ; Woodward, R. R.: 1916-. Washington : U.S. Dept. of Agriculture, 1966. 58 p. : ill. ; 23 cm. Literature cited: p. 47-48. (NAL Call No.: DNAL 1 Ag84Te no.1357).

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Effects of the management system on the young beef cattle growing process (Housing system). Contributii privind cunoasterea efectului sistemului de intretinere asupra procesului de crestere la tineretul taurin. Romanian.
Georgescu, G. ; Curelariu, N.~Popescu, A.~Balan, S.~Diaconescu, S.~Constantin, P. Bucuresti : Ministerul Educatiei si Invatamintului, Institutul Agronomic "Nicolae Balcescu". Lucrari stiintifice. Seria D. Zootehnie. 1983. v. 26. p. 7-15. ill. Includes references. (NAL Call No.: SF15.R8I52).

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Evolution in livestock buildings in Sicily. Research and prospects (Cattle, swine, housing structures). Evoluzione dell'edilizia zootecnica in Sicilia: esperienze e prospettive. Italian.
Failla, A. ; Giacomo, G. Catania : Associazione dei dottori i scienze agrarie della provincia di Catania. Tecnica agricola. 1982. v. 34 (2). p. 83-107. ill., plates. Includes references. (NAL Call No.: 16 T22).

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Experience in the use of biofilters.
Geelen, M.A. van. London : Elsevier Applied Science Publishers, c1986. Odour prevention and control of organic sludge and livestock farming / edited by V.C. Nielsen, J.H. Voorburg, and P. L'Hermite. Paper presented at the "Seminar on Odour Prevention and Control of Organic Sludge and Livestock Farming," Apr. 15-19, 1985, Silsoe, England. p. 238-240. ill. (NAL Call No.: DNAL TD886.03).

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Farm buildings in the west of Scotland.
Kelly, M. Aberdeen : Scottish Farm Buildings Investigation Unit. Farm building progress. July 1985. (81). p. 11-16. ill. Includes 10 references. (NAL Call No.: DNAL TH4911.F37).

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Cherkashchenko, I.I. ; Deliar, A.S. Moskva, "Kolos". Znivotnovodstvo. Jan 1980. Jan 1980. (1). p. 34-35. (NAL Call No.: 49 Z6).

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Teter, Norm. ; Guyer, Paul. 19--?. Document available from: Dept. of Ag. Communications, U. of Nebraska, Lincoln, NE 61801. 22 p. : ill. (NAL Call No.: Not available at NAL.).(NAL Call No.: EC 73-709).
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Elam, C.J. ; Grainger, R.B. Philadelpha : Lea & Febiger, 1983. The Feedlot / edited by G.B. Thompson and Clayton C. O'Mary. p. 37-46. ill. Includes references. (NAL Call No.: DNAL SF203.D9 1983).

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Fencing for beef cattle.
MUCBA. Burdette, L.A. ; Geuns, K.R. East Lansing, Mich. : The Service. Extension bulletin E - Cooperative Extension Service, Michigan State University. Subseries: Michigan beef production. Mar 1987. (1570). 4 p. ill. (NAL Call No.: DNAL 275.29 M58B).

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Fresh cacao husks as substitute for elephantgrass for finishing confined steers (Feed composition, liveweight gains, nutrition, Brazil). A casca fresca do fruto do cacaueiro como substituto do capim elefante no acabamento de novilhos em confinamento. Portuguese.
Llamosas C, A. ; Pereira, J.M.-Soares, M.S. Ilheus, Brazil : Centro de Pesquisas do Cacau. Revista theobroma. Apr/June 1983. v. 13 (2). p. 119-127. Includes references. (NAL Call No.: SB267.A1R4).

0059
Handling and processing of feedlot cattle.
Grandin, T. Philadelpha : Lea & Febiger, 1983. The Feedlot / edited by G.B. Thompson and Clayton C. O'Mary. p. 213-235. ill. Includes references. (NAL Call No.: DNAL SF203.D9 1983).

0060
Handling facilities for beef cattle.
Singleton, W. L. ; Nelson, L. A.-Jones, D. D.& Animal science beef. 1976. Document available from: Mailing Room, Ag. Administration Bldg., Purdue University, W. Lafayette, Indiana 47907. 7 p. (NAL Call No.: Not available at NAL.).(NAL Call No.: ID 109).
This publication gives designs, recommended handling pen sizes, and construction tips when building a handling facility. Also described in the article are various components of a handling facility.

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Handling feedlot cattle (Pens).
Grandin, T. Colorado : Westview Press. Beef cattle science handbook. 1983. v. 19. p. 1165-1175. ill. 2 p. ref. (NAL Call No.: SF207.B4).

0062
House (for beef cattle) allows twice the stocking density.
Cardell, K. London, Morgan-Grampian. Livestock farming. Apr 1980. v. 18 (4). p. 62. ill. (NAL Call No.: 43.8 B392).

0063
Housing animals destined for beef production. Barns for lactating cows Tie and free stalls . Logement des animaux destines a la production de viande bovine. Etables pour vaches allaitantes. French.
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